



## DP 专业音频数字处理器

### 产品概述:

当我们需要做好一套电声扩声系统时，那就必须更好的音频信号处理器、信号处理器好的表现主要是体现在音色效果好、声音还原度更高、操作更简洁易懂、产品器件要求更高以达到设备本身的禁噪效果。因此、我们的技术团队与行业内的尖端技术人员合作，根据我们的高品质钕磁同轴音箱的固有特性、创新研发生产了 I.E.voice 品牌商标的音频数字处理器产品，并根据不同声场环境的用途预设了不同功能的产品类别：

DP206=2+6 (in+out)

DP306=3+6 (in+out)

DP404=4+4 (in+out)

DP408=4+8 (in+out)

### 产品特点:

产品信号处理基于DSP数字音频处理芯片技术，采用96K频率采样模式，系统设计了足够的信息储存空间，你可提前预设储存50组不同使用功能环境需求的声场场景模式，以发挥你强大的专业技术能力，精美的1U机箱设计，同时具备远程控制端口 (USB、RS232、RS485) 来满足异地或第三方中央控制系统的系统控制功能。为了系统运行维护的更好安全性，你可以使用我们设计的多功能选项模式的安全锁来确保你的系统信息不会被丢失。

### 技术参数:

- 1、输入阻抗: >10k  $\Omega$
- 2、共模抑制比: > 75dB 50Hz ~ 10kHz
- 3、输出阻抗: <60 $\Omega$
- 4、最小负载: 600 $\Omega$
- 5、最大电平:+20dBu
- 6、采样频率:96kHz
- 7、频率响应: $\pm 0.5$ dB, 20Hz ~ 20kHz
- 8、失真:0.004 1kHz +15dBu
- 9、ADC (动态范围) > 114dB, 20Hz ~ 20kHz (A-Weight)
- 10、DAC (动态范围) > 114dB, 20Hz ~ 20kHz (A-Weight)
- 11、传播延时: 0.66mS (4 in 8 out / 4 in 6 out / 3 in 6 out)  
0.65mS (4in 4out/ 2in 6out/ 2in 4out)
- 12、电源: ~220V 50/60Hz
- 13、功耗: <20W
- 14、重量: 3.5Kg
- 15、尺寸: 标准1U机箱



## DP Professional audio digital processor

### Product overview:

When we need to do a good set of electro-acoustic sound amplification system, it must be better audio signal processor, signal processor performance is mainly reflected in good timbre effect, sound reduction degree is higher, operation is more simple and easy to understand, product device requirements are higher to achieve the noise suppression effect of the device itself. Therefore, our technical team, in cooperation with cutting-edge technical personnel in the industry, innovatively developed and produced the audio digital processor products of i.e.ice brand trademark according to the inherent characteristics of our high-quality neodymium magnetic coaxial speakers, and preset the product categories with different functions according to the purposes of different sound field environments:

DP206 = 2 + 6 (in + out)      DP306 = 3 + 6 (in + out)  
 DP404 = 4 + 4 (in + out)      DP408 = 4 + 8 (in + out)

### Product features:

Product signal processing based on DSP digital audio processing chip technology, adopt the 96 k frequency sampling mode, system design enough information storage space, you can be preset stored 50 groups of different use function environment demand model of sound field scene, to play your strong professional technical ability, fine 1 u case design, at the same time have the remote control port (USB, RS232 and RS485) to meet other cities or the third party central control system of the system control function. For better security, you can use our multi-option security lock to ensure that your system information is not lost.

### Technical parameters:

- 1, the input impedance: > 10 k Ω
- 2, common mode rejection ratio: 75 db st13 50 hz ~ 10 KHZ
- 3, the output impedance: < 60 Ω
- 4, minimum load: 600 Ω
- 5, the maximum level: + 20 is a
- 6, sampling frequency, 96 KHZ
- 7. Frequency response : ± 0.5db, 20Hz ~ 20kHz
- 8, distortion : 0.004 1kHz +15dBu
- 9. ADC (dynamic range) > 114dB, 20Hz ~ 20kHz (a-weight)
- 10. DAC (dynamic range) > 114dB, 20Hz ~ 20kHz (a-weight)
- 11. Propagation delay: 0.66ms (4 in 8 out / 4 in 6 out / 3 out)  
 0.65ms (4in 4out/ 2in 6out/ 2in 4out)
- 12 , power supply: 220 v 50/60
- 13, hz power consumption: < 20 w
- 14, weight: 3.5 Kg
- 15, size: standard 1 u case

